



2,3,7,8-Tetrachlorodibenzo-p-dioxin

CASRN 1746-01-6

- IRIS Summary (PDF) (16 pp, 150 K)
- 2,3,7,8-Tetrachlorodibenzo-p-dioxin Support Documents
- Status: 2,3,7,8-Tetrachlorodibenzo-p-dioxin is not being reassessed by IRIS at this time.

Key IRIS Values

History

Health Hazard Assessments for Effects Other than Cancer

Reference Dose for Oral Exposure (RfD)
(PDF) (16 pp, 150 K) last updated: 02/17/2012

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Critical Effect Systems



Developmental



Endocrine



Reproductive

Chemical Structure for 2,3,7,8-Tetrachlorodibenzo-p-dioxin



RfD (mg/kg- day)	System	Basis	PoD	Composite UF	Confidence
7×10^{-10}	Reproductive	Decreased sperm count and motility in men exposed to TCDD as boys / Increased TSH in neonates	LOAEL (ADJ): 2×10^{-8} mg/kg-day	30 MF:	High
7×10^{-10}	Reproductive	Decreased sperm count and motility in men exposed to TCDD as boys / Increased TSH in neonates	LOAEL (ADJ): 2×10^{-8} mg/kg-day	30	High

Reference Concentration for Inhalation**Exposure (RfC) (PDF)** (16 pp, 150 K)

Not assessed under the IRIS Program.

Cancer Assessment**Weight of Evidence for Cancer (PDF)** (16

pp, 150 K) last updated: 02/17/2012

Assessment underway at the time of the last significant revision.

Quantitative Estimate of Carcinogenic Risk from Oral Exposure (PDF) (16 pp, 150 K)

Not assessed under the IRIS Program.

Quantitative Estimate of Carcinogenic Risk from Inhalation Exposure (PDF) (16 pp,

150 K)

Not assessed under the IRIS Program.

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